CLAIMS

1 An optical holographic device for reading out a data page recorded in a holographic medium (202), said data page comprising data bits, the device comprising means (200) for producing a radiation beam having an intensity, means (201) for directing said radiation beam towards said holographic medium so as to image said data page, means (203) for detecting a set of imaged data bits in said imaged data page, means (204) for counting, among said set of imaged data bits, the number of imaged data bits having a predetermined data state and means (205) for modifying said intensity as a function of said number.

2 An optical holographic device as claimed in claim 1, wherein the means for counting comprise at least one comparator for comparing the value of an imaged data bit with a predetermined threshold.

3 An optical holographic device as claimed in claim 1, wherein the means for modifying the intensity of the radiation beam are arranged for modifying the intensity of the radiation beam until said number represents between 40 per cent and 60 per cent of the number of imaged data bits of said set of imaged data bits.

4 An optical holographic device as claimed in claim 3, wherein the means for modifying the intensity of the radiation beam are arranged for modifying the intensity of the radiation beam until said number represents substantially 50 per cent of the number of imaged data bits of said set of imaged data bits.

5 A method for reading out a data page recorded in a holographic medium, said data page comprising data bits, said method comprising a step (301) of forming an imaged data page from said data page on detecting means by means of a radiation beam having an intensity, a step (302) of detecting a set of imaged data bits in said imaged data page, a step (303) of counting, among said set of imaged data bits, the number of imaged data bits having a predetermined data state and a step (304) of modifying said intensity as a function of said number.

6 A method for reading out a data page as claimed in claim 5, wherein said counting step comprises a sub-step of comparing the value of an imaged data bit with a predetermined threshold.

7 A method for reading out a data page as claimed in claim 5, wherein said modifying step comprises modifying the intensity of the radiation beam until said number represents between 40 per cent and 60 per cent of the number of imaged data bits of said set of imaged data bits.

8 A method for reading out a data page as claimed in claim 7, wherein said modifying step comprises modifying the intensity of the radiation beam until said number represents substantially 50 per cent of the number of imaged data bits of said set of imaged data bits.

9 A computer program comprising a set of instructions which, when loaded into a processor or a computer, causes the processor or the computer to carry out the method as claimed in Claim 5.